

1 I claim:

1 1. A method to form a stable suspension, comprising the following steps in the  
2 following order:

- 3 (a) providing a plurality of amorphous silica particles;  
4 (b) mixing said plurality of amorphous silica particles with water;  
5 (c) forming a plurality of amorphous silica encapsulated water particles;  
6 (d) providing a carbon-containing material;  
7 (e) dispersing said plurality of amorphous silica encapsulated water particles in said  
8 carbon-containing material to form said suspension.

1 2. The method of claim 1, wherein said method does not include the step of adding  
2 one or more emulsifying agents.

1 3. The method of claim 1, further comprising the step of combining said plurality of  
2 amorphous silica particles with one or more first additives after step (a), wherein said one or  
3 more first additives are selected from the group consisting of talcs, clays, pigments, TiO<sub>2</sub>, ZnO,  
4 polymer powders, powdered physiologically active materials, powdered antimicrobial agents and  
5 microencapsulated materials such as fragrances, oils, and emollients.

1 4. The method of claim 1, further comprising the step of combining water with one  
2 or more second additives after step (a), wherein said one or more second additives are selected  
3 from the group consisting of antimicrobial agents, chelating agents, antioxidants, humectants,  
4 proteins, vitamins, medicaments, preservatives, polymers, hydrophilic clays, botanical extracts,  
5 colorants, pigments, fragrances, flavors, sweeteners, surfactants, and salts.

1 5. The method of claim 1, wherein said mixing step is performed for about 120  
2 seconds or less.

1           6.       The method of claim 1, wherein said carbon-containing material has a room  
2 temperature viscosity greater than about 200 cps, further comprising after step (d) the step of  
3 heating said carbon-containing material to lower its viscosity to about 200 cps.

1           7.       The method of claim 1, wherein said carbon-containing material has a dielectric  
2 constant less than about 3.5.

1           8.       The method of claim 1, wherein said carbon-containing material comprises one or  
2 more alkanes, alkenes, aromatic compounds, triglycerides, esters, fatty alcohols, fatty ketones,  
3 fatty acids, fatty amines, dimethicones, cyclomethicones, perfluorinated materials, sunscreens,  
4 waxes, oils, fats petrolatum, lanolin, pistachio nut oil, benzoate esters, limonene, and  
5 combinations thereof.

1           9.       The method of claim 1, wherein said carbon-containing material comprises jojoba  
2 oil.

1           10.      The method of claim 9, wherein said jojoba oil comprises isomerized jojoba oil.

1           11.      The method of claim 9, wherein said jojoba oil comprises hydrogenated jojoba  
2 oil.

1           12.      A suspension, comprising:  
2 a plurality of water particles;  
3 a plurality of amorphous silica particles;  
4 wherein each of said plurality of water particles is encapsulated by a portion of said  
5 plurality of amorphous silica particles to form a plurality of silica encapsulated water particles;  
6 a carbon-containing material;  
7 wherein said plurality of encapsulated water particles are dispersed in said carbon-  
8 containing material to form said suspension.

1           13.     The suspension of claim 12, wherein said plurality of amorphous silica particles  
2     comprise one or more first additives.

1           14.     The suspension of claim 13, wherein said one or more first additives are selected  
2     from the group consisting of talcs, clays, pigments, TiO<sub>2</sub>, ZnO, polymer powders, powdered  
3     physiologically active materials, powdered antimicrobial agents and microencapsulated materials  
4     such as fragrances, oils, and emollients.

1           15.     The suspension of claim 12, wherein each of said plurality of water particles  
2     comprises one or more second additives.

1           16.     The suspension of claim 15, wherein said one or more second additives are  
2     selected from the group consisting of antimicrobial agents, chelating agents, antioxidants,  
3     humectants, proteins, vitamins, medicaments, preservatives, polymers, hydrophilic clays,  
4     botanical extracts, colorants, pigments, fragrances, flavors, sweeteners, surfactants, and salts.

1           17.     The suspension of claim 12, wherein said carbon-containing material has a  
2     dielectric constant less than about 3.5.

1           18.     The suspension of claim 12, wherein said carbon-containing material comprises  
2     one or more alkanes, alkenes, aromatic compounds, triglycerides, esters, fatty alcohols, fatty  
3     ketones, fatty acids, fatty amines, dimethicones, cyclomethicones, perfluorinated materials,  
4     sunscreens, waxes, oils, fats petrolatum, lanolin, pistachio nut oil, benzoate esters, limonene, and  
5     combinations thereof.

1           19.     The suspension of claim 12, wherein said carbon-containing material comprises  
2     jojoba oil.

1           20.     The suspension of claim 19, wherein said jojoba oil comprises isomerized jojoba  
2     oil.

1           21.     The suspension of claim 19, wherein said jojoba oil comprises hydrogenated  
2 jojoba oil.

1           22.     A personal care product, comprising:  
2           a plurality of water particles;  
3           a plurality of amorphous silica particles;  
4           wherein said each of said plurality of water particles is encapsulated by a portion of said  
5 plurality of amorphous silica particles to form a plurality of silica encapsulated water particles;  
6           a carbon-containing material;  
7           wherein said plurality of encapsulated water particles are dispersed in said carbon-  
8 containing material to form said suspension.

1           23.     The personal care product of claim 22, wherein said plurality of amorphous silica  
2 particles comprise one or more first additives.

1           24.     The personal care product of claim 23, wherein said one or more first additives  
2 are selected from the group consisting of talcs, clays, pigments, TiO<sub>2</sub>, ZnO, polymer powders,  
3 powdered physiologically active materials, powdered antimicrobial agents and  
4 microencapsulated materials such as fragrances, oils, and emollients.

1           25.     The personal care product of claim 22, wherein each of said plurality of water  
2 particles comprises one or more second additives.

1           26.     The personal care product of claim 25, wherein said one or more second additives  
2 are selected from the group consisting of antimicrobial agents, chelating agents, antioxidants,  
3 humectants, proteins, vitamins, medicaments, preservatives, polymers, hydrophilic clays,  
4 botanical extracts, colorants, pigments, fragrances, flavors, sweeteners, surfactants, and salts.

1           27.     The personal care product of claim 22, wherein said carbon-containing material  
2     has a dielectric constant less than about 3.5.

1           28.     The personal care product of claim 22, wherein said carbon-containing material  
2     comprises one or more alkanes, alkenes, aromatic compounds, triglycerides, esters, fatty  
3     alcohols, fatty ketones, fatty acids, fatty amines, dimethicones, cyclomethicones, perfluorinated  
4     materials, sunscreens, waxes, oils, fats petrolatum, lanolin, pistachio nut oil, benzoate esters,  
5     limonene, and combinations thereof.

1           29.     The personal care product of claim 22, wherein said carbon-containing material  
2     comprises jojoba oil.

1           30.     The personal care product of claim 29, wherein said jojoba oil comprises  
2     isomerized jojoba oil.

1           31.     The personal care product of claim 30, wherein said jojoba oil comprises  
2     hydrogenated jojoba oil.

1           32.     A lip care product, comprising:  
2             a plurality of water particles;  
3             a plurality of amorphous silica particles;  
4             wherein said each of said plurality of water particles is encapsulated by a portion of said  
5     plurality of amorphous silica particles to form a plurality of silica encapsulated water particles  
6     comprising about 90 weight percent water and about 10 weight percent amorphous silica;  
7             isomerized jojoba oil;  
8             wherein said plurality of encapsulated water particles are dispersed in said isomerized  
9     jojoba oil to form a suspension comprising said lip care product.

1           33.     A lip care product, comprising:

2 a plurality of water particles;  
3 a plurality of amorphous silica particles;  
4 wherein said each of said plurality of water particles is encapsulated by a portion of said  
5 plurality of amorphous silica particles to form a plurality of silica encapsulated water particles  
6 comprising about 90 weight percent water and about 10 weight percent amorphous silica;  
7 isomerized jojoba oil;  
8 cyclomethicone;  
9 PEG 120 jojoba wax;  
10 wherein said plurality of encapsulated water particles are dispersed in a mixture  
11 comprising said isomerized jojoba oil, said cyclomethicone, and said PEG 120 jojoba wax, to  
12 form said lip care product.

1 34. An antiperspirant, comprising:  
2 a plurality of water particles comprising a 50 weight percent aqueous solution of  
3 Aluminum Sesquichlorohydrate;  
4 a plurality of amorphous silica particles;  
5 wherein said each of said plurality of water particles is encapsulated by a portion of said  
6 plurality of amorphous silica particles to form a plurality of silica encapsulated water particles;  
7 cyclomethicone;  
8 wherein said plurality of encapsulated water particles are dispersed in said  
9 cyclomethicone to form said antiperspirant.

1 35. The antiperspirant of claim 34, wherein:  
2 said 50 weight percent aqueous solution of Aluminum Sesquichlorohydrate is present in  
3 said antiperspirant at about 45 weight percent;

4           said amorphous silica particles are present in said antiperspirant at about 5 weight  
5 percent; and

6           said cyclomethicone is present in said antiperspirant at about 50 weight percent.

1           36.     An antiperspirant, comprising:

2           a plurality of water particles comprising a 50 weight percent aqueous solution of

3 Aluminum Sesquichlorohydrate;

4           a plurality of amorphous silica particles;

5           wherein each of said plurality of water particles is encapsulated by a portion of said

6 plurality of amorphous silica particles to form a plurality of silica encapsulated water particles;

7           isomerized jojoba oil;

8           cyclomethicone;

9           a surfactant;

10          a fragrance;

11          wherein said plurality of encapsulated water particles are dispersed in a mixture

12 comprising said isomerized jojoba oil, said cyclomethicone, said surfactant, and said fragrance,

13 to form said antiperspirant.

1           37.     The antiperspirant of claim 36, wherein:

2           said 50 weight percent aqueous solution of Aluminum Sesquichlorohydrate is present in

3 said antiperspirant at about 45 weight percent

4           said amorphous silica particles are present in said antiperspirant at about 5 weight

5 percent;

6           said cyclomethicone is present in said antiperspirant at about 22.3 weight percent;

7           said surfactant is present in said antiperspirant at about 2.5 weight percent; and

8           said fragrance is present in said antiperspirant at about 0.2 weight percent.